

PATENT ABSTRACTS OF JAPAN

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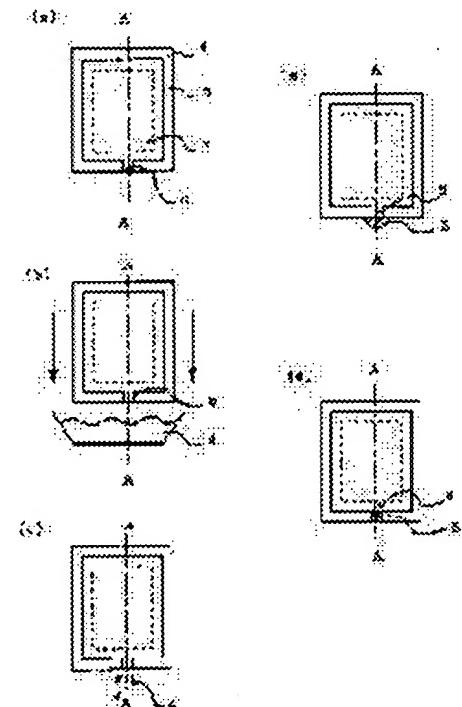
(54) PRODUCTION OF LIQUID CRYSTAL PANEL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a liquid crystal panel which obviates the occurrence of a sealing error, has the excellent uniformity of the gap between substrates and is strong to an external press without the occurrence of display unevenness by applying a sealing resin near a liquid crystal injection port while maintaining a liquid crystal extruding pressure, then dropping the pressure down to a resin withdrawing pressure.

SOLUTION: A pair of the substrates 1 injected with the liquid crystals 4 are held by pressure sealing jigs and the substrate 1 surfaces are pressurized under the prescribed pressure and are held for a specified time in order to discharge the excessively injected liquid crystals 4. Next, the pressure in the pressure sealing jigs is

slightly dropped to withdraw the sealing resin 8 into the liquid crystal injection port 6 and is held for the specified time, by which the sealing resin 8 is cured. The pressurizing force to the substrates 1 after the liquid crystal injection is set in two stages; the liquid crystal extruding pressure and the resin withdrawing pressure lower than the pressure. The sealing resin 8 applied near the liquid crystal injection port 6 is withdrawn to the liquid crystal injection port 6 by the difference in the pressures and is then cured and, therefore, the sealing error is prevented.



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